

Preaward Compliance Review Report for All Applicants and Recipients Requesting EPA Financial Assistance

Note: Read Instructions before completing form.

I. A. Applicant/Recipient (Name, Address, City, State, Zip Code)

Name:

Address:

City:

State: Zip Code:

B. DUNS No.

II. Is the applicant currently receiving EPA Assistance? ☒ Yes ☐ No

III. List all civil rights lawsuits and administrative complaints pending against the applicant/recipient that allege discrimination based on race, color, national origin, sex, age, or disability. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

IV. List all civil rights lawsuits and administrative complaints decided against the applicant/recipient within the last year that allege discrimination based on race, color, national origin, sex, age, or disability and enclose a copy of all decisions. Please describe all corrective actions taken. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

V. List all civil rights compliance reviews of the applicant/recipient conducted by any agency within the last two years and enclose a copy of the review and any decisions, orders, or agreements based on the review. Please describe any corrective action taken. (40 C.F.R. § 7.80(c)(3))

VI. Is the applicant requesting EPA assistance for new construction? If no, proceed to VII; if yes, answer (a) and/or (b) below.

☐ Yes ☒ No

a. If the grant is for new construction, will all new facilities or alterations to existing facilities be designed and constructed to be readily accessible to and usable by persons with disabilities? If yes, proceed to VII; if no, proceed to VI(b).

☐ Yes ☐ No

b. If the grant is for new construction and the new facilities or alterations to existing facilities will not be readily accessible to and usable by persons with disabilities, explain how a regulatory exception (40 C.F.R. 7.70) applies.

VII. Does the applicant/recipient provide initial and continuing notice that it does not discriminate on the basis of race, color, national origin, sex, age, or disability in its program or activities? (40 C.F.R. 5.140 and 7.95)

☒ Yes ☐ No

a. Do the methods of notice accommodate those with impaired vision or hearing?

☐ Yes ☒ No

b. Is the notice posted in a prominent place in the applicant's offices or facilities or, for education programs and activities, in appropriate periodicals and other written communications?

☒ Yes ☐ No

c. Does the notice identify a designated civil rights coordinator?

☒ Yes ☐ No

VIII. Does the applicant/recipient maintain demographic data on the race, color, national origin, sex, age, or handicap of the population it serves? (40 C.F.R. 7.85(a))

☐ Yes ☒ No

IX. Does the applicant/recipient have a policy/procedure for providing access to services for persons with limited English proficiency? (40 C.F.R. Part 7, E.O. 13166)

☒ Yes ☐ No

- X. If the applicant is an education program or activity, or has 15 or more employees, has it designated an employee to coordinate its compliance with 40 C.F.R. Parts 5 and 7? Provide the name, title, position, mailing address, e-mail address, fax number, and telephone number of the designated coordinator.**

Applicant is neither an education program nor has more than 15 employees.

- XI. If the applicant is an education program or activity, or has 15 or more employees, has it adopted grievance procedures that assure the prompt and fair resolution of complaints that allege a violation of 40 C.F.R. Parts 5 and 7? Provide a legal citation or Internet Address for, or a copy of, the procedures.**

Applicant is neither an education program nor has more than 15 employees.

For the Applicant/Recipient

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. I assure that I will fully comply with all applicable civil rights statutes and EPA regulations.

A. Signature of Authorized Official

Yomi Noibi

B. Title of Authorized Official

Executive Director

C. Date

03/25/2022

For the U.S. Environmental Protection Agency

I have reviewed the information provided by the applicant/recipient and hereby certify that the applicant/recipient has submitted all preaward compliance information required by 40 C.F.R. Parts 5 and 7; that based on the information submitted, this application satisfies the preaward provisions of 40 C.F.R. Parts 5 and 7; and that the applicant has given assurance that it will fully comply with all applicable civil rights statutes and EPA regulations.

A. *Signature of Authorized EPA Official

B. Title of Authorized Official

C. Date

*** See Instructions**

Instructions for EPA FORM 4700-4 (Rev. 06/2014)

General. Recipients of Federal financial assistance from the U.S. Environmental Protection Agency must comply with the following statutes and regulations.

Title VI of the Civil Rights Acts of 1964 provides that no person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. The Act goes on to explain that the statute shall not be construed to authorize action with respect to any employment practice of any employer, employment agency, or labor organization (except where the primary objective of the Federal financial assistance is to provide employment). Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act provides that no person in the United States shall on the ground of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under the Federal Water Pollution Control Act, as amended. Employment discrimination on the basis of sex is prohibited in all such programs or activities. Section 504 of the Rehabilitation Act of 1973 provides that no otherwise qualified individual with a disability in the United States shall solely by reason of disability be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. Employment discrimination on the basis of disability is prohibited in all such programs or activities. The Age Discrimination Act of 1975 provides that no person on the basis of age shall be excluded from participation under any program or activity receiving Federal financial assistance. Employment discrimination is not covered. Age discrimination in employment is prohibited by the Age Discrimination in Employment Act administered by the Equal Employment Opportunity Commission. Title IX of the Education Amendments of 1972 provides that no person in the United States on the basis of sex shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance. Employment discrimination on the basis of sex is prohibited in all such education programs or activities. Note: an education program or activity is not limited to only those conducted by a formal institution. 40 C.F.R. Part 5 implements Title IX of the Education Amendments of 1972. 40 C.F.R. Part 7 implements Title VI of the Civil Rights Act of 1964, Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act, and Section 504 of The Rehabilitation Act of 1973. The Executive Order 13166 (E.O. 13166) entitled; "Improving Access to Services for Persons with Limited English Proficiency" requires Federal agencies work to ensure that recipients of Federal financial assistance provide meaningful access to their LEP applicants and beneficiaries.

Items "Applicant" means any entity that files an application or unsolicited proposal or otherwise requests EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Recipient" means any entity, other than applicant, which will actually receive EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Civil rights lawsuits and administrative complaints" means any lawsuit or administrative complaint alleging discrimination on the basis of race, color, national origin, sex, age, or disability pending or decided against the applicant and/or entity which actually benefits from the grant, but excluding employment complaints not covered by 40 C.F.R. Parts 5 and 7. For example, if a city is the named applicant but the grant will actually benefit the Department of Sewage, civil rights lawsuits involving both the city and the Department of Sewage should be listed. "Civil rights compliance review" means any review assessing the applicant's and/or recipient's compliance with laws prohibiting discrimination on the basis of race, color, national origin, sex, age, or disability. Submit this form with the original and required copies of applications, requests for extensions, requests for increase of funds, etc. Updates of information are all that are required after the initial application submission. If any item is not relevant to the project for which assistance is requested, write "NA" for "Not Applicable." In the event applicant is uncertain about how to answer any questions, EPA program officials should be contacted for clarification. * Note: Signature appears in the Approval Section of the EPA Comprehensive Administrative Review For Grants/Cooperative Agreements & Continuation/Supplemental Awards form.



EPA KEY CONTACTS FORM

OMB Number: 2030-0020
Expiration Date: 06/30/2024

Authorized Representative: *Original awards and amendments will be sent to this individual for review and acceptance, unless otherwise indicated.*

Name: Prefix:		First Name:	Carla	Middle Name:	
Last Name:	Lewis	Suffix:			
Title:	Executive Director				
Complete Address:					
Street1:	250 Georgia Avenue, Suite 309				
Street2:					
City:	Atlanta	State:	GA: Georgia		
Zip / Postal Code:	30312-3046	Country:	USA: UNITED STATES		
Phone Number:	404-584-6499	Fax Number:			
E-mail Address:					

Payee: *Individual authorized to accept payments.*

Name: Prefix:		First Name:	Carla	Middle Name:	
Last Name:	Lewis	Suffix:			
Title:					
Complete Address:					
Street1:	250 Georgia Avenue				
Street2:	Suite 309				
City:	Atlanta	State:	GA: Georgia		
Zip / Postal Code:	30312-3046	Country:	USA: UNITED STATES		
Phone Number:	404 584-6499	Fax Number:			
E-mail Address:					

Administrative Contact: *Individual from Sponsored Programs Office to contact concerning administrative matters (i.e., indirect cost rate computation, rebudgeting requests etc).*

Name: Prefix:		First Name:	Carla	Middle Name:	
Last Name:	Lewis	Suffix:			
Title:					
Complete Address:					
Street1:	250 Georgia Avenue				
Street2:	Suite 309				
City:	Atlanta	State:	GA: Georgia		
Zip / Postal Code:	30312-3046	Country:	USA: UNITED STATES		
Phone Number:	404 584-6499	Fax Number:			
E-mail Address:					

EPA KEY CONTACTS FORM

Project Manager: *Individual responsible for the technical completion of the proposed work.*

Name: Prefix: **First Name:** **Middle Name:**
Last Name: **Suffix:**
Title:

Complete Address:

Street1:
Street2:
City: **State:**
Zip / Postal Code: **Country:**
Phone Number: **Fax Number:**
E-mail Address:

Other Attachment File(s)

* Mandatory Other Attachment Filename:

Add Mandatory Other Attachment

Delete Mandatory Other Attachment

View Mandatory Other Attachment

To add more "Other Attachment" attachments, please use the attachment buttons below.

Add Optional Other Attachment

Delete Optional Other Attachment

View Optional Other Attachment

Metro Atlanta Clean Air Initiative- Quality Assurance Statement

Drs. Saikawa and Avramov will be responsible for the overall quality assurance (QA) and quality control (QC) aspects of the research. Saikawa has been a PI on five federal grants, and we currently have a project where we work with a dozen schools to measure air quality with low-cost air quality sensors. We have developed a QAPP that was approved by the EPA Region 4 and have a track record of making sure that the data quality is assured, even when using the low-cost sensors.

For this project, our approach will be to make sure we obtain good quality air pollutant concentrations. We will work with monitors that are already approved by the EPA, requiring less bias correction. As usual, our general approach for obtaining quality data is to make sure that our protocol is well developed and is well discussed among all the team members and that we create a plan before we start collecting observational data. As many members of this project have worked as a team for over two and a half years, we already have a good working relationship and foundation to build on. All the meeting notes, including decisions on how and when to collect data will be stored on the Emory University server for every team member to access easily. Furthermore, the regular meetings among all team members will assure us that we all agree with the project methodology. For each component of the project, we will also allocate a specific individual to be responsible for QA/QC that the project coordinator will work with to make sure that everything is done in a timely manner.

We will use EPA-approved sets of monitors. The first is EBAM-Pro which will be deployed to measure PM_{2.5} and PM₁₀. The other is Aeroqual AQS1 Air Quality Monitor with four gases (CO, NO_x, VOCs and O₃). EBAM-Pro provides accuracy and precision that are consistent with the EPA requirements for Class III PM_{2.5} and PM₁₀ measurement. The Aeroqual AQS1 provides precision that is less than 2% of reading for all gases. Filter tapes will be changed monthly for EBAM-Pro and PM leak check and inlet cleaning will be conducted every 3 months. Gas sample inlet filters will be changed monthly for Aeroqual AQS1 and gas inlet flow check will be conducted every 3 months. If flow rate cannot be set correctly, we will change gas flow pump in Aeroqual AQS1. Gas calibration is not anticipated but if the gas modules are found to be operating out of specification and issues continue after trouble shooting, it will be conducted.

Dr. Avramov will be responsible for data management duties and will train a resident in each community to be able to manage some of the tasks. Using the storage space specifically allocated for this project in the cluster at Emory, we will host all data and preserve it, with secure access. We will make sure that data sets that are created through the project are made publicly available and will be visualized on the website, in a format that meeting community needs.

INTERNAL REVENUE SERVICE
DISTRICT DIRECTOR
401 W. PEACHTREE ST. NW
ATLANTA, GA 30365

DEPARTMENT OF THE TREASURY

Date: *DEC 30 1989*

ENVIROMENTAL COMMUNITY ACTION INC
250 TENTH STREET NE 201
ATLANTA, GA 30309

Employer Identification Number:
58-1854834

Case Number: *584335015*

Contact Person:
LORETTA HAMILTON

Contact Telephone Number:
(404) 331-0927

Our Letter Dated:
October 1989

Addendum Applies:
No

Dear Applicant:

-- This modifies our letter of the above date in which we stated that you would be treated as an organization that is not a private foundation until the expiration of your advance ruling period.

Your exempt status under section 501(a) of the Internal Revenue Code as an organization described in section 501(c)(3) is still in effect. Based on the information you submitted, we have determined that you are not a private foundation within the meaning of section 509(a) of the Code because you are an organization of the type described in section 509(a)(1) and 170(b)(1)(A)(vi).

Grantors and contributors may rely on this determination unless the Internal Revenue Service publishes notice to the contrary. However, if you lose your section 509(a)(1) status, a grantor or contributor may not rely on this determination if he or she was in part responsible for, or was aware of, the act or failure to act, or the substantial or material change on the part of the organization that resulted in your loss of such status, or if he or she acquired knowledge that the Internal Revenue Service had given notice that you would no longer be classified as a section 509(a)(1) organization.

If we have indicated in the heading of this letter that an addendum applies, the addendum enclosed is an integral part of this letter.

Because this letter could help resolve any questions about your private foundation status, please keep it in your permanent records.

If you have any questions, please contact the person whose name and telephone number are shown above.

Sincerely yours,

Nelson A. Brooke

Nelson A. Brooke
District Director



CITIZENS FOR A HEALTH AND SAFE ENVIRONMENT (C.H.A.S.E.)
PO BOX 384, LITHONIA GA 30058

March 23, 2022

Environmental Community Action (ECO-Action)
250 Georgia Avenue, SE
Suite 309
Atlanta, Georgia 30312
Attention : Ms. Carla Lewis

Dear Ms. Lewis:

Subject: Partnership Letter of Commitment - EPA Air Monitoring Program

Citizens for a Healthy and Safe Environment (C.H.A.S.E.), supports Environmental Community Action Inc. (ECO-Action) in its application to the US Environmental Protection Agency (EPA) for a grant under its Air Monitoring Program. For the Metro-Atlanta Clean Air Initiative (MACAI), we as a community based organization, will be acting as a community partner, engaging additional Lithonia residents. We appreciate this opportunity to collaborate with ECO-Action with whom we have worked for many years to address the many environmental issues of our community.

C.H.A.S.E. is an environmental advocacy organization that strives to protect the wellbeing of South DeKalb citizens and others. C.H.A.S.E. advocates for policies that prevent contamination of our air, water and soil; educate and support South DeKalb residents and neighboring marginalized communities on preserving a healthy environment; and raise awareness of issues that threaten the natural environment.

The proposed project will 1) deploy air sensors in our community for a period of one year; 2) make near real-time air quality data available for community members and other stakeholders; 3) create community-specific summaries of air pollution data and make them available to community members and the general public; 4) provide training that will help our community members understand the data and the associated health risks of the identified pollutants and 5) help affected Lithonia residents develop a strategy for action to reduce the impacts of air pollutants on the health of our community. Our organization will serve as bridge between the community, ECO-Action to facilitate these proposed project activities. We also bring expertise about community needs, history, context, geography to the Initiative.

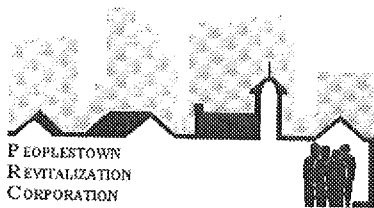
If funded, C.H.A.S.E. will work steadfastly with ECO-Action to achieve the project goals, by specifically: 1) continuing to work with ECO-Action and Emory staff to finalize locations for the sensors in close proximity to odor complaints or other concerns; 2) serving as the lead community coordinator for the Lithonia sensor site(s). We will serve as the local point of contact for the project, engaging additional local stakeholders and serving as lead recruiter for community training sessions and events; 3) participating in training activities; 4) working with ECO-Action to identify and fill community engagement gaps to build a strong community coalition that can implement the developed plan of action; and 5) identifying community residents who will receive training on monitor service and maintenance so that they can potentially gain employment and continue to perform these tasks after the conclusion of grant funding.

We look forward to working with ECO-Action to implement this valuable project that will give our community a voice in the monitoring of our air quality.

Sincerely,

Renee Cail

Renee Cail, President
Citizens in Support of a Healthy and Safe Environment (C.H.A.S.E.)



March 17, 2022

Environmental Community Action (ECO-Action)
250 Georgia Avenue, SE
Suite 309
Atlanta, Georgia 30312
Attention : Ms. Carla Lewis

Dear Ms. Lewis:

Subject: Partnership Letter of Commitment - EPA Air Monitoring Program

The Peoplestown Revitalization Corporation (PRC) supports Environmental Community Action Inc. (ECO-Action) in its application to the US Environmental Protection Agency (EPA) for a grant under its Air Monitoring Program. For the Metro-Atlanta Clean Air Initiative, we as a community based nonprofit, will be acting as a community partner engaging additional residents of the Peoplestown neighborhood. We appreciate this opportunity to collaborate with ECO-Action with whom we have worked for over 10 years to address the many environmental issues of both our neighborhood and the surrounding Neighborhood Planning Unit.

Founded in 1885, Peoplestown is one of the oldest and most culturally-rich historically African-American neighborhoods in Atlanta. It is home to over 3,200 residents and has a strong history of community organization. Our organization seeks to improve the quality of life for residents of Peoplestown community by promoting housing development, community development and youth support services.

The proposed project will 1) deploy air sensors in our community for a period of one year; 2) make near real-time air quality data available for community members and other stakeholders; 3) create community-specific summaries of air pollution data and make them available to community members and the general public; 4) provide training that will help our community members understand the data and the associated health risks of the identified pollutants and 5) help Peoplestown residents develop a strategy for action to reduce the impacts of air pollutants on the health of our community. Our organization will serve as bridge between the community ECO-Action to facilitate these proposed project activities. We also bring expertise about community needs, history, context, geography to the Initiative.

If funded, the PRC will work steadfastly with ECO-Action to achieve the project goals. Specifically, PRC will:

- Continue to work with ECO-Action and Emory staff to finalize locations for the sensors in close proximity to odor complaints or other concerns,
- Serve as the lead community coordinator for the Peoplestown sensor site(s). We will serve as the local point of contact for the project, engaging additional local stakeholders and serving as lead recruiter for community training sessions and events,
- Participate in training activities, and
- Work to engage with ECO-Action to identify and fill community engagement gaps to build a strong community coalition that can implement the developed plan of action.

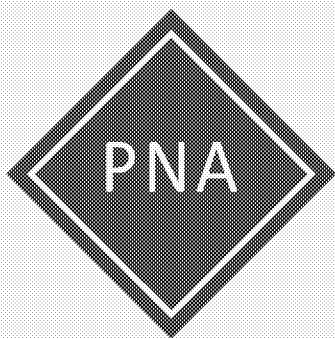
- Identify community residents who will receive training on monitor service and maintenance so that they can potentially gain employment and continue to perform these tasks after the conclusion of grant funding.

We look forward to working with ECO-Action to implement this valuable project that will give our community a voice in the monitoring of our air quality.

Sincerely,



Columbus Ward, President
Peopletown Revitalization Corporation



BOARD MEMBERS

Johnny Floyd
President

Winfrey Young
Vice - President

Shakeila Jones
Recording Secretary

TBD
Corresponding Secretary

Paul Sturdivant
Treasurer

Chris Welch
Parliamentarian

Delvin Davis
Sergeant at Arms

PITTSBURGH NEIGHBORHOOD ASSOCIATION

Representing Atlanta's Pittsburgh neighborhood, an historically black community since 1883

Environmental Community Action (ECO-Action)
250 Georgia Avenue, SE, Suite 309
Atlanta, Georgia 30312
Attention: Ms. Carla Lewis

March 17, 2022

Ms. Lewis,

The Pittsburgh Neighborhood Association (PNA) supports Environmental Community Action Inc. in its application to the EPA grant under its Air Monitoring Program. For the Metro-Atlanta Clean Air Initiative, the PNA will act as a community partner to engage residents of the Pittsburgh neighborhood. For many years we have worked with ECO-Action, and we appreciate the opportunity to further collaborate to address one of the many environmental issues of our neighborhood. The PNA works to conserve and improve quality of life for residents in Pittsburgh and to be good stewards to our community, new businesses, and the City of Atlanta. Our mission is to develop and maintain a livable, safe, and sustainable neighborhood.

The proposed project will: 1) deploy air sensors in our community; 2) make near real-time air quality data available for community members and stakeholders; 3) create summaries of air pollution data and make them available to the public; 4) provide training to help our community understand the health risks of identified pollutants and 5) help residents develop a strategy for action to reduce the impacts of air pollutants. The PNA will serve as a bridge between the community and ECO-Action to facilitate project activities.

If funded, the PNA will work cohesively with ECO-Action to achieve the project goals. We will continue to work with ECO-Action and Emory staff to finalize locations for the sensors; serve as community coordinator for the Pittsburgh sensor site(s) and as local point of contact for the project; participate in training activities; work with ECO-Action to build a strong community coalition that can implement the developed plan of action, and; identify residents who will receive training on monitor service and maintenance so they can potentially gain employment and continue to perform these tasks at the conclusion of grant funding.

We look forward to working with ECO-Action to implement this valuable project.

Johnny Floyd, President
Pittsburgh Neighborhood Association

VISIT US

825 McDaniel St. SW
Atlanta, GA 30310

FOLLOW US

f @PittsburghNeighborhoodAssociation
✉ pnaorg022@gmail.com

CHAPEL HILL ORGANIZATION

March 17, 2022

Environmental Community Action (ECO-Action)
250 Georgia Avenue, SE, Suite 309
Atlanta, Georgia 30312
Attention : Ms. Carla Lewis

Dear Ms. Lewis:

Subject: Partnership Letter of Commitment - EPA Air Monitoring Program

The Chapel Hill Organization supports Environmental Community Action Inc. (ECO-Action) in its application to the US Environmental Protection Agency (EPA) for a grant under its Air Monitoring Program. For the Metro-Atlanta Clean Air Initiative, we as a community based organization, will be acting as a community partner, engaging additional Chapel Hill community residents. We appreciate this opportunity to collaborate with ECO-Action with whom we have worked for many years to address the many environmental issues of our neighborhood.


The Chapel Hill Organization was created as part of the HERCULES Exposome Center program in 2018 and the organization's mission is to focus on informing and inspiring citizens in our community to become more active and involved in addressing environmental issues impacting our quality of life. These efforts include research, data analysis, and soil/air quality testing in the community.

The proposed project will 1) deploy air sensors in our community for one year; 2) make near real-time air quality data available for community members and other stakeholders; 3) create community-specific summaries of air pollution data and make them available to community members and the general public; 4) provide training that will help our community members understand the data and the associated health risks of the identified pollutants and 5) help Chapel Hill residents develop a strategy for action to reduce the impacts of air pollutants on the health of our community. Our organization will serve as bridge between the community ECO-Action to facilitate these proposed project activities. We also bring expertise about community needs, history, context, geography to the Initiative.

If funded, the Chapel Hill Organization will work steadfastly with ECO-Action to achieve the project goals. Specifically, we will continue to work with ECO-Action and Emory staff to finalize locations for the sensors in close proximity to odor complaints or other concerns and serve as the lead community coordinator for the Chapel Hill sensor site(s). We will serve as the local point of contact for the project, engaging additional local stakeholders and serving as lead recruiter for community training sessions and events, participate in training activities, and identify community residents who will receive training on monitor service and maintenance so that they can potentially gain employment and continue to perform these tasks after the conclusion of grant funding.

We look forward to working with ECO-Action to implement this valuable project that will give our community a voice in the monitoring of our air quality.

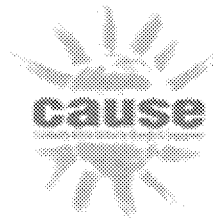
Sincerely,



Clarence Williams, Organizer
Chapel Hill Organization

3736 Seton Hall Drive, Decatur, Georgia 30034

ED_013931A_00001600-00007



March 21, 2022

Ms. Carla Lewis
Environmental Community Action (ECO-Action)
250 Georgia Avenue, SE Suite 309
Atlanta, Georgia 30312

Subject: Partnership Letter of Commitment - EPA Air Monitoring
Program

Dear Ms. Lewis:

Community Action Unified by Strength and Engagement CAUSE) supports Environmental Community Action Inc. (ECO-Action) in its application to the US Environmental Protection Agency (EPA) for a grant under its Air Monitoring Program. For the Metro-Atlanta Clean Air Initiative, we as a community-based organization, will be acting as a community partner, engaging additional City of South Fulton residents. We appreciate this opportunity to collaborate with ECO-Action with whom we have worked with to address environmental issues in our neighborhoods.

The mission of C.A.U.S.E. is citizens from across the City of South Fulton who have come together on a mission to strengthen a thriving and vibrant city for citizens from all seven districts through community engagement, celebration, promotion, advocacy and through a lens of historical and primary data sources, in order to self-define who we are and share that narrative of our collective story. One of our 7 priority focus areas is environmental health. Other focus areas are economic development, agriculture, housing, access to health care, green space and transportation.

The proposed project will 1) deploy air sensors in our community for a period of one year; 2) make near real-time air quality data available for community members and other stakeholders; 3) create community-specific summaries of air pollution data and make them available to community members and the general public; 4) provide training that will help our community members understand the data and the associated health risks of the identified pollutants and 5) help South Fulton residents develop a strategy for action to reduce the impacts of air pollutants on the health of our community. Our organization will serve as a bridge between the community ECO-Action to facilitate these proposed project activities. We also bring expertise about community needs, history, context, and geography to the Initiative. If funded, CAUSE will work steadfastly with ECO-Action to achieve the project goals. Specifically, we will:

- Continue to work with ECO-Action and Emory staff to finalize locations for the sensors in close proximity to odor complaints or other concerns,
- Serve as the lead community coordinator for the South Fulton sensor site(s). We will serve as the local point of contact for the project, engaging additional local stakeholders and serving as lead recruiter for community training sessions and events,

PO BOX 877
FAIRBURN, GA. 30213

- Participate in training activities,
- Work with ECO-Action to identify and fill community engagement gaps to build a strong community coalition that can implement the developed plan of action, and
- Identify community residents who will receive training on monitor service and maintenance so that they can potentially gain employment and continue to perform these tasks after the conclusion of grant funding.

We look forward to working with ECO-Action to implement this valuable project that will give our community a voice in the monitoring of our air quality.

Sincerely,



Jose Bright, Director



EMORY
COLLEGE
OF ARTS AND
SCIENCES

Ronald Calabrese
Senior Associate Dean of Research

March 21, 2022

Environmental Community Action (ECO-Action)
250 Georgia Avenue, SE
Suite 309
Atlanta, Georgia 30312

Attention: Ms. Carla Lewis

Dear Ms. Lewis:

Subject: Partnership Letter of Commitment - EPA Air Monitoring Program

The Department of Environmental Sciences (ENVS) at Emory University supports Environmental Community Action Inc. (ECO-Action) in its application to the US Environmental Protection Agency (EPA) for a grant under its Air Monitoring Program. We believe this program will build a foundation of trusting relationships and enhanced understanding that will be the basis of sustainable solutions to community air pollution problems.

ENVS is comprised of faculty and students who are dedicated to teaching, research in service of addressing complex and dynamic interactions among people and their environment using both natural science and social science perspectives. The Emory Air Quality (Emory AQ) Initiative began as an effort to monitor and report air quality around Emory University's Main Campus. It has expanded to now provide air pollution monitoring at an additional 10 elementary, middle and high schools in the Atlanta area.

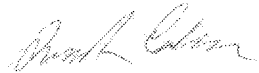
The Metro-Atlanta Clean Air Initiative will 1) deploy air sensors in five Atlanta communities; 2) make near real-time air quality data available for community members and other stakeholders; 3) create community-specific summaries of air pollution data and make them available to community members and the general public; 4) provide training that will help our community members understand the data and the associated health risks of the identified pollutants and 5) help residents of the five targeted communities develop a strategy for action to reduce the impacts of air pollutants on their health.

For the Metro-Atlanta Clean Air Initiative, Emory staff will lead the monitor selection, purchase, installation, and data collection tasks working in conjunction with ECO-Action and the points of contact for each of the five communities. Emory staff will be acting as trainers, providing community members with additional information about both the impact of air pollutants on their health and the interpretation of the data collected using the monitors. As previously noted, ENVS has already created a website on which the data is housed that will be expanded to incorporate the additional data collected

during this project. Finally, staff and students will enable communities to access data and make observations using a smartphone app and assist in the production of infographics or other educational materials for the project. ENVS will benefit from access to the additional datasets from communities with air pollution concerns and stronger connection with community-based groups.

We look forward to working with ECO-Action to implement this valuable project that ultimately will reduce the exposure of Atlanta area residents to air pollutants that are impacting their health.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Ronald Calabrese', is positioned above the printed name.

Ronald Calabrese
Senior Associate Dean
Emory College of Arts and Sciences



March 21, 2022

Environmental Community Action (ECO-Action)
250 Georgia Avenue, SE
Suite 309
Atlanta, Georgia 30312
Attention : Ms. Carla Lewis

Dear Ms. Lewis:

Subject: Partnership Letter of Commitment - EPA Air Monitoring Program

Mothers and Others for Clean Air supports Environmental Community Action Inc. (ECO-Action) in its application to the US Environmental Protection Agency (EPA) for a grant under its Air Monitoring Program. We believe this program will build a foundation of trusting relationships and enhanced understanding from which sustainable solutions to community air pollution problems can be found.

Mothers and Others works to protect children's health by reducing the impacts of air pollution and climate change throughout the Southeast. We engage in partnerships between scientists, healthcare providers, parents, teachers, youth, and organizations to facilitate collective learning and action. To us, clean, healthy air is essential to good health. When you can't breathe, nothing else matters.

The Metro-Atlanta Clean Air Initiative will 1) deploy air sensors in five Atlanta communities; 2) make near real-time air quality data available for community members and other stakeholders; 3) create community-specific summaries of air pollution data and make them available to community members and the general public; 4) provide training that will help our community members understand the data and the associated health risks of the identified pollutants and 5) help residents of the five targeted communities develop a strategy for action to reduce the impacts of air pollutants on their health.

For the Metro-Atlanta Clean Air Initiative, we will be acting as trainer, providing community members with additional information about the impact of air pollutants on their health. We will also contribute to the development of a resource toolkit that will be shared with the participants. We will benefit from this Initiative as it will improve our access to the environmental justice communities who we have targeted for additional outreach.

We look forward to working with ECO-Action to implement this valuable project that ultimately will reduce the exposure of Atlanta area residents to air pollutants that are impacting their health.

Sincerely,

Tanya Coventry-Strader, Acting Executive Director
Mothers and Others for Clean Air



CITY of SOUTH FULTON, GA
Office of the Mayor

Carla Lewis
Environmental Community Action (ECO-Action)
250 Georgia Avenue, SE
Suite 309
Atlanta, Georgia 30312

Dear Ms. Lewis:

The Mayor's Office of the City of South Fulton supports Environmental Community Action, Inc. (ECO-Action) in its application to the United States Environmental Protection Agency (EPA) for a grant under its Air Monitoring Program. We appreciate this opportunity to collaborate with ECO-Action to address this great environmental concerns in our city.

Our nearly 100 square-mile city, just one exit from the world's busiest Airport (Hartsfield-Jackson), is Atlanta's twin city. With a population that is 92 percent African American, we are America's blackest big city. Many studies — including the EPA's own 2019 Review (Section 12.5.4) — have shown communities like ours face higher risks and disparate health outcomes due to particle pollution.

We understand that the proposed project will 1) deploy air sensors in our city for a period of one year; 2) make near real-time air quality data available for community members and other stakeholders; 3) create community-specific summaries of air pollution data and make them available to community members and the general public; 4) provide training that will help our community resident understand the data and the associated health risks of the identified pollutants and 5) help South Fulton residents develop a strategy for action to reduce the impacts of air pollutants on the health of our community.

We understand that as part of the project, CAUSE will be working to identify program participants who will receive training on monitor service and maintenance so that they can potentially gain employment and continue to perform these tasks after the conclusion of grant funding. I commit to providing financial support of up to \$4000.00 to fund a part-time position in these efforts, and to share data collected from air monitoring sensors on the City's website so it is more widely available to the general public.

We look forward to working with ECO-Action to implement this valuable project that will both provide additional data about the air quality of our city and give South Fulton residents a greater voice in the monitoring of our air quality.

South Fulton Forever!

Mayor khalid

5540 Fulton Industrial Blvd • South Fulton, GA • 30336
khalid@khalidCares.com 404.545.3900 (mobile) • 470.809.7710 (office)

EXECUTIVE SUMMARY

An accomplished and growth-focused leader with extensive experience revitalizing organizations, initiating company-wide campaigns, enhancing fundraising, and capturing untapped opportunities for growth within non-profit sectors. Demonstrated expertise in devising and implementing company policies and procedures, managing finance activities, developing strategic plans, directing management teams, and supervising company operations for attaining the desired goals on time. Proven success in building, training, leading highly qualified cross-functional teams to ensure completion of day-to-day tasks in accordance with the company guidelines. Adept at performing overall operational planning, human resources, financial, advocacy, community relations, and risk management functions to achieve company objectives. Instrumental in cultivating and fostering productive relations with employees, clients, board members, donors, and volunteers by using superior interpersonal capabilities.

AREAS OF EXPERTISE

- | | | |
|------------------------------|-------------------------|-------------------------------|
| ✓ Fundraising Operations | ✓ Budget Administration | ✓ HR Management |
| ✓ Team Building & Leadership | ✓ Project Management | ✓ Revenue Generation & Growth |
| ✓ Strategic Planning | ✓ Risk Identification | ✓ Quality Assurance |

PROFESSIONAL EXPERIENCE

Environmental Community Action, Inc.

2021 - Present

Executive Director

Lead, fundraise, and manage programs of the organization in alignment with the strategic direction set by the Board of Directors.

Focused on solidifying organizational sustainability by implementation of improved donor management practices, developing and strengthening community partnerships, while increasing the organizational staff and volunteer base. Sustain ECO-Action's community presence and build its presence virtually during the pandemic.

- Oversee the efficient and effective day-to-day operation of the organization.
- Represent the organization to community leaders and at community activities to enhance the organization's profile and gain financial and programmatic support.
- Foster effective teamwork among the Board of Directors, volunteers, and staff. Hire and onboard new full-time and part-time staff.
- Provide quarterly briefings/written reports during Board of Directors meetings or at other relevant times.
- Cultivate and solicit major and planned gifts, and develop strategic relationships with key foundations, corporations, individuals, and community organizations. Diversify funding sources and increase opportunities for general support.
- Cultivate new relationships and collaborations with like-minded individuals, community-based partners, other nonprofit and philanthropic organizations, businesses, and municipal partners who share ECO-Action's value of justice and equity.
- Work with staff and volunteers to secure additional grant resources; coordinating grant applications, submittals, and reporting documentation. Work with staff in applying for and managing state, federal and private grants.
- Ensure that the programs and services offered by the organization contribute to the organization's mission and reflect the priorities of the Board and the communities we serve.

Director of Operations

Established and led highly qualified team members for heading and completing all bottom-line factors, including company vision, long-range strategic planning, fundraising, program development and execution, and branding and communications.

Prepared and allocated annual operations and program budget to assure completion of routine activities on time while minimizing costs and expenditures. Efficiently built and supervised a growing staff and membership base remotely to obtain set goals. Comprehensive knowledge and understanding of applicable laws/regulations and relevant trends in the non-profit sector. Leveraged outstanding leadership capabilities for directing and planning work for staff members and contractors. Streamlined overall research, communications, program development, special event planning and implementation, and other support tasks in conjunction with team members. Created and delivered advanced presentations for meetings, workshops, and conferences.

- Strategically directed and finalized all assigned duties related to administration, programs, and fundraising operations in compliance with enterprise guidelines to accomplish the desired objectives within a set timeframe.
- Recognized for enhancing the capabilities and performance of employees by designing and executing advanced systems.
- Served exceptionally to improve fiscal budget from \$500K to over \$2.6M resulting in optimizing new programs and services.

Nevada Community Associates, Inc. – Las Vegas, NV

2008 - 2017

Executive Director

Headed financial operations, such as setting long-term financial plans, ensuring accounting compliance, and planning for internal capacity, cash flow needs, and investment in growth.

Established and conveyed clear and appropriate vision internally/externally to energize donors, clients, influencers, employees, and other key stakeholders that resulted in attaining the success of the enterprise. Prepared and assured implementation of strategic plans for obtaining revenue, systems, and human resources goals in association with board, staff, and volunteers. Utilized comprehensive experience for effectively overseeing daily business tasks, such as local, state, and federal filings; financial and programmatic audits, risk management, human resources requirements, and general staff management for attaining desired targets.

- Fundraised and managed organization finances & budget while fostering a healthy relationship with funders.
- Developed and followed organizational and programmatic indicators to gather and examine data, evaluate performance, and leading overall program and operational changes for continuous improvement by working with qualified teams.
- Received recognition for building and strengthening funding sources, including composed grants, one-on-one solicitation with major donors and private foundations, giving campaigns, corporations, faith groups, and in-kind support.

Imagine Schools – Las Vegas, NV

2006 - 2008

Regional Director of Operations

Accelerated the growth of the institute by fostering productive and long-lasting relations with non-profit and social services agencies, government, the healthcare community, local media, higher education, legal, philanthropic, and financial communities.

Developed and allocated annual operating plans for the region and collaborated with the Regional VP to synchronize annual plans and cross-regional initiatives as per set policies. Performed exceptionally to represent the agency and coordinate communications and regional participation to identify and attain new opportunities with the private sector and intergovernmental agencies.

EDUCATION BACKGROUND

Bachelors of Art, Political Science: Clark Atlanta University – Atlanta, GA

Ex. 6 Personal Privacy (PP)

EDUCATION & PROFESSIONAL TRAINING

Doctor of Philosophy, Science Education (Environmental Science & Industrial Hygiene and Safety)
The University of Iowa Iowa City, Iowa

Master of Science, Science Education (Environmental Science & Industrial Hygiene and Safety)
The University of Iowa Iowa City, Iowa

Bachelor of Science, Integrated Studies- Biological Science and Environmental Health
University of Nebraska Lincoln, Nebraska

PROFESSIONAL EXPERIENCE

Program Manager, ECO-Action (Environmental Community Action)
Atlanta, GA 10/21 – present

- Convenes and facilitates the Atlanta Watershed Learning Network
- Provides technical assistance on toxic chemical, green infrastructure and greenspace issues within the context of environmental justice and equity

Executive Director, ECO-Action (Environmental Community Action)
Atlanta, GA 12/05 – 10/21

- Provides leadership and management of the organization
- Convened the South Atlanta for the Environment (SAFE) Coalition consisting of community groups, government agencies and corporations
- Awarded the United States Environmental Protection Agency Community Action for a Renewed Environment (CARE) grant in the amount of \$100,000.00
- Writes grants and organizes fundraising activities for the organization
- Secures funding for the continuation of ECO-Action’s programs

Community Organizer/ Director of Training, ECO-Action (Environmental Community Action)
Atlanta, GA 06/99-11/05

- Supervised staff, consultants and interns as they carried out daily activities
- Facilitated seminars and meetings for communities facing environmental health threats
- Developed ECO-Action’s *Leadership Development* and *Training the Trainer Series*,
- Facilitated problem solving strategies that helped more than thirty community-based organizations prevent and solve local environmental problems
- Designed and delivered workshops and training on strategic planning, and organizational development
- Organized *Grassroots Environmental Network* gatherings that built relationships and ensured transfer of skills and knowledge among participants and other people
- Assisted in securing over \$950,000 in funds

Community Organizer/ Director of Training, ECO-Action (Environmental Community Action)

Atlanta, GA

06/95-05/99

- Developed policy and process for initiating and sustaining working relationships with members of community-based groups, colleagues and others
- Facilitated a successful grassroots campaign that changed public participation rule in Georgia and led to increased public participation in the enforcement of environmental laws and regulations
- Coordinated/conducted research on enforcement of environmental laws and wrote the blueprint for ECO-action's publication, *"In the Best Interest of the Citizens ... An Examination of the Consent Order Process of the Georgia Environmental Protection Division."*
- Assessed the impact of chemical releases from industries on the environment and human health in Georgia communities

Adjunct Professor of Science/Environmental Education, Clark Atlanta University

Atlanta, GA

9/01-02/02, 9/94 – 5/98

- Taught post-graduate, graduate and undergraduate courses that included *Methods of Teaching Science (EDC 426)*; *Environmental Science for Middle School (EDC 631)*; *Teaching Science K-5 (EDC 507)*, *Secondary School Methods and Materials (EDC440)*; *High School Curriculum and Methods (EDC 442)*; *P-12 Curriculum and Methods (EDC 443)*
- Organized students project environmental newsletter, *Urban Ecosystem* for the university community
- Supervised student' field experiences

RECENT PRESENTATIONS AND PEER REVIEWED PUBLICATIONS

Presentations

- *Environmental Justice and Precautionary Principle: Tools for Reducing Environmental Health Threats in Low Income and Communities of Color*, Georgia Youth for Environmental Solutions, Fall 2012 Leadership Summit, Georgia State University, Atlanta, GA. November 9-13, 2012.
- *Air Quality, Monitoring and Your Health*, ECO-Action Community Forum III on *Air Quality, Monitoring and Your Health*, held at the Georgia Hills Neighborhood Center, Atlanta, GA., July 24, 2012.
- *Strategic Workshops on the Precautionary Principle* for the Proctor Creek Watershed Community, June, July and August, 2012.

Publications

- *A Citizen-Science Study Documents Environmental Exposures and Asthma Prevalence in Two Communities*. Samantha Eiffert, Yomi Noibi, Stephen Vesper, Jonathan Downs, Florence Fulk, Juanita Wallace, Melanie Pearson, and Andrea Winquist. Hindawi Publishing Corporation, Journal of Environmental and Public Health 2016, Article ID 1962901, <http://dx.doi.org/10.1155/2016/19629>
- Noibi, A.S. & Lawal Tunde (1993). *Training and Education for Conservation and Sustainable development*. Proceedings of the 1st National Conference on Environmental Education, 26-38.

AWARDS

- Fulton County, Emma I. Darnell Environmental Justice Award (2019)
- Fellow, Global Learning Partners (GLP), 2003
- Fellow, Lilly Research Fellowship for Excellence in Science Teaching, The University of Wisconsin, 1982
- Member, Phi Delta Kappa, 1977

ERI SAIKAWA

Associate Professor, Department of Environmental Sciences
Emory University, 400 Dowman Drive, Math & Science Center 5th floor, Atlanta, GA 32202

Ex. 6 Personal Privacy (PP)

Experience Related to the Investigation

Eri Saikawa received her Ph.D. in Science, Technology, and Environmental Policy from Princeton University in 2010 and completed her postdoctoral training in the Department of Earth, Atmospheric and Planetary Sciences at Massachusetts Institute of Technology. She conducts interdisciplinary research on the environment. In her lab, they conduct interdisciplinary research focused on the environment. She has worked on diverse projects that cover: 1) atmospheric chemistry (modeling air pollution); 2) environmental health (assessing the health impacts of air pollution); 3) biogeochemistry (modeling global soil nitrous oxide emissions and quantifying soil greenhouse gas – GHG – fluxes); 4) climate science (estimating GHG emissions); and 5) environmental policy/politics (analyzing the impacts of environmental standards and trade as well as analyzing policymaking processes).

Education

University of Tokyo, Japan, Chemistry and Biotechnology, B.E., 2003
Indiana University, Bloomington, Environ. Policy & Natural Resource Management, MPA, 2005
Princeton University, Program in Science, Technology and Environmental Policy, Ph.D., 2010

Professional Experiences and Positions

September 2018 – present: *Associate Professor, Director of Graduate Studies and Emory Climate Talks*, Department of Environmental Sciences, Emory University. (Joint Appointment in the Gangarosa Department of Environmental Health in the Rollins School of Public Health)
January 2013 – August 2018: *Assistant Professor*, Department of Environmental Sciences, Emory University. (Joint Appointment in the Department of Environmental Health in the Rollins School of Public Health) *Visiting Research Scientist*, Center for Global Change Science, MIT
July 2012 – December 2012: *Research Scientist*, Center for Global Change Science, Department of Earth, Atmospheric, and Planetary Sciences, MIT
October 2010 – June 2012: *Postdoctoral Associate*, Center for Global Change Science, Department of Earth, Atmospheric, and Planetary Sciences, MIT

Honors/Awards:

- Association for Women Geoscientists Distinguished Lecturer (2015 January – current)
- Invitation to DISCCRS (Dissertation Initiative for Climate Change Research) VII (Oct. 2012)
- Invitation to ACCESS (Atmospheric Chemistry Colloquium for Emerging Senior Scientists) XI and Gordon Research Conference on Atmospheric Chemistry (July 2011)
- Invitation to National Center for Atmospheric Research Advanced Study Program Summer Colloquium (August 2010)
- Fellowship of Woodrow Wilson Scholars, *Woodrow Wilson Foundation* (2008-2010)
- Murata Overseas Scholarship for Graduate Education Abroad (sole winner out of 111 applicants in a national competition), *Murata Overseas Scholarship Foundation* (2003-2005)

Selected Publications (Group members are underlined):

- Saikawa, E.**, H. Kim, M. Zhong, A. Avramov, Y. Zhao, G. Janssens-Maenhout, J. Kurokawa, and Q. Zhang, “Comparison of Emissions Inventories of Anthropogenic Air Pollutants in China and their Impacts on Air Quality in Asia,” *Atmos. Chem. Phys.*, **17**, 6393-6421, doi:10.5194/acp-17-6393-2017, 2017.
- Saikawa, E.**, M. Trail, Q. Wu, M. Zhong, C. L. Young, G. Janssens-Maenhout, Z. Klimont, F. Wagner, J. Kurokawa, A. Nagpure, and B. Gurjar, “Uncertainties in emissions estimates of greenhouse gases and air pollutants in India and their impacts on regional air quality,” *Environ. Res. Lett.*, **12**, 065002, 2017.
- Zhong, M., **E. Saikawa**, Y. Liu, V. Naik, L. W. Horowitz, M. Takigawa, Y. Zhao, N.-H. Lin, and E. Z. Stone, “Air Quality Modeling with WRF-Chem v3.5 in East Asia: Sensitivity to Emissions and Evaluation of Simulated Air Quality,” *Geosci. Model Dev.*, **9**, 1201-1218, 2016.
- Tian, H., C. Lu, P. Ciais, A. M. Michalak, J. G. Canadell, **E. Saikawa**, D. N. Huntzinger, D. R. Gurney, S. Sitch, B. Zhang, J. Yang, P. Bousquet, L. Bruhwiler, G. Chen, E. Dlugokencky, P. Friedlingstein, J. Melillo, S. Pan, B. Poulter, R. Prinn, M. Saunois, C. R. Schwalm, S. C. Wofsy, “The terrestrial biosphere as a net source of greenhouse gases to the atmosphere,” *Nature*, **531**, 225-228, 2016.
- Thompson, R. L., K. Ishijima, **E. Saikawa**, M. Corazza, U. Karstens, P. K. Patra, P. Bousquet, P. Bergamaschi, F. Chevallier, E. Dlugokencky, R. G. Prinn, R. F. Weiss, S. O’Doherty, P. J. Fraser, L. P. Steele, P. B. Krummel, A. Vermeulen, Y. Tohjima, A. Jordan, L. Haszpra, M. Steinbacher, S. Van der Laan, T. Aalto, F. Meinhardt, M. E. Popa, J. Moncrieff, and P. Bousquet, “TransCom N₂O model inter-comparison Part II: atmospheric inversion estimates of N₂O emissions,” *Atmos. Chem. Phys.*, **14**, 6177-6194, doi:10.5194/acp-14-6177-2014, 2014.
- Saikawa, E.**, R. G. Prinn, E. Dlugokencky, G. Dutton, B. Hall, K. Ishijima, R. Langenfelds, Y. Tohjima, T. Machida, S. O’Doherty, R. F. Weiss, M. Rigby, S. O’Doherty, P. K. Patra, C. M. Harth, R. F. Weiss, P. B. Krummel, M. van der Schoot, P. J. B. Fraser, L. P. Steele, S. Aoki, T. Nakazawa, and J. W. Elkins, “Global and regional emissions estimates for N₂O,” *Atmospheric Chemistry and Physics*, **14**, 4617-4641, doi:10.5194/acp-14-4617-2014, 2014.

Scientific, Technical and Management Performance

1. MPI of “Combustion of plastic waste and human health effects in Guatemala” funded by the NIEHS (2021 Aug. – 2026 July).
2. PI of “Community-Oriented Strategies to Estimate Children’s Soil and Dust Ingestion Rates and Exposure to Soil Heavy Metal and Metalloid in West Atlanta” funded by the EPA (2021 July – 2024 June).
3. PI of “Mitigating climate change – Assessment of innovative approaches integrating climate-smart practices and crop products to reduce greenhouse gas emissions in agriculture” funded by Syngenta (2021 April – 2023 March).
4. PI of “From Food Waste to Biogas through Anaerobic Digestion as Prototype for City of Atlanta and Other Municipalities and Institutions in Urban Areas with Environmental Justice Concerns” funded by the EPA (2021 March – 2023 February).
5. PI of “Implementing Active-Learning Modules for Enhancing Environmental Education and Air Quality and Soil Contamination” funded by EPA (2020 Aug. – 2021 Aug.).
6. PI of “Collaborative Research: Measurements of Selected Combustion Emissions in Nepal and Bhutan Integrated with Source Apportionment and Chemical Transport Modeling for South Asia” funded by NSF (2014 Aug. – 2019 July).

Project Narrative File(s)

* Mandatory Project Narrative File Filename:

Add Mandatory Project Narrative File

Delete Mandatory Project Narrative File

View Mandatory Project Narrative File

To add more Project Narrative File attachments, please use the attachment buttons below.

Add Optional Project Narrative File

Delete Optional Project Narrative File

View Optional Project Narrative File

BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006
Expiration Date: 02/28/2022

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Enhanced Air Quality Monitoring for Communities	66.034	\$	\$	\$ 475,947.00	\$ 48,000.00	\$ 523,947.00
2.						
3.						
4.						
5. Totals		\$	\$	\$ 475,947.00	\$ 48,000.00	\$ 523,947.00

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Prescribed by OMB (Circular A -102) Page 1

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
	Enhanced Air Quality Monitoring for Communities				
a. Personnel	\$ 120,250.00	\$	\$	\$	\$ 120,250.00
b. Fringe Benefits	30,070.00				30,070.00
c. Travel	10,200.00				10,200.00
d. Equipment	148,773.00				148,773.00
e. Supplies	19,500.00				19,500.00
f. Contractual	26,000.00				26,000.00
g. Construction	0.00				0.00
h. Other	144,602.00				144,602.00
i. Total Direct Charges (sum of 6a-6h)	499,395.00				\$ 499,395.00
j. Indirect Charges	24,552.00				\$ 24,552.00
k. TOTALS (sum of 6i and 6j)	\$ 523,947.00	\$	\$	\$	\$ 523,947.00
7. Program Income	\$	\$	\$	\$	\$

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SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program		(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS
8.	Enhanced Air Quality Monitoring for Communities	\$	\$	\$ 48,000.00	\$ 48,000.00
9.					
10.					
11.					
12. TOTAL (sum of lines 8-11)		\$	\$	\$ 48,000.00	\$ 48,000.00

SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 258,093.00	\$ 64,524.00	\$ 64,523.00	\$ 64,523.00	\$ 64,523.00
14. Non-Federal	\$ 48,000.00	48,000.00			
15. TOTAL (sum of lines 13 and 14)	\$ 306,093.00	\$ 112,524.00	\$ 64,523.00	\$ 64,523.00	\$ 64,523.00

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program		FUTURE FUNDING PERIODS (YEARS)			
		(b)First	(c) Second	(d) Third	(e) Fourth
16.	Enhanced Air Quality Monitoring for Communities	\$ 258,093.00	\$ 149,269.00	\$ 68,583.00	\$
17.					
18.					
19.					
20. TOTAL (sum of lines 16 - 19)		\$ 258,093.00	\$ 149,269.00	\$ 68,583.00	\$

SECTION F - OTHER BUDGET INFORMATION	
21. Direct Charges:	22. Indirect Charges:
23. Remarks:	

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Application for Federal Assistance SF-424

* 1. Type of Submission:

- ☐ Preapplication
☒ Application
☐ Changed/Corrected Application

* 2. Type of Application:

- ☒ New
☐ Continuation
☐ Revision

* If Revision, select appropriate letter(s):

* Other (Specify):

* 3. Date Received:

03/25/2022

4. Applicant Identifier:

5a. Federal Entity Identifier:

5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

* a. Legal Name:

Environmental Community Action

* b. Employer/Taxpayer Identification Number (EIN/TIN):

58-1854834

* c. Organizational DUNS:

8451089680000

d. Address:

* Street1:

250 Georgia Avenue, SE

Street2:

Suite 309

* City:

Atlanta

County/Parish:

* State:

GA: Georgia

Province:

* Country:

USA: UNITED STATES

* Zip / Postal Code:

30312-3046

e. Organizational Unit:

Department Name:

Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:

Ms.

* First Name:

Carla

Middle Name:

* Last Name:

Lewis

Suffix:

Title:

Executive Director

Organizational Affiliation:

* Telephone Number:

404 584-6499

Fax Number:

* Email:

c.lewis@eco-act.org

Application for Federal Assistance SF-424

* 9. Type of Applicant 1: Select Applicant Type:

M: Nonprofit with 501C3 IRS Status (Other than Institution of Higher Education)

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

* 10. Name of Federal Agency:

Environmental Protection Agency

11. Catalog of Federal Domestic Assistance Number:

66.034

CFDA Title:

Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities
Relating to the Clean Air Act

* 12. Funding Opportunity Number:

EPA-OAR-OAQPS-22-01

* Title:

Enhanced Air Quality Monitoring for Communities

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment

Delete Attachment

View Attachment

* 15. Descriptive Title of Applicant's Project:

Metro-Atlanta Clean Air Initiative

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424**16. Congressional Districts Of:**

* a. Applicant

GA05

* b. Program/Project

GA05

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

Delete Attachment

View Attachment

17. Proposed Project:

* a. Start Date:

11/01/2022

* b. End Date:

04/30/2025

18. Estimated Funding (\$):

* a. Federal	475,947.00
* b. Applicant	0.00
* c. State	0.00
* d. Local	0.00
* e. Other	48,000.00
* f. Program Income	0.00
* g. TOTAL	523,947.00

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**☐ a. This application was made available to the State under the Executive Order 12372 Process for review on .☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.☒ c. Program is not covered by E.O. 12372.*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**☐ Yes☒ No

If "Yes", provide explanation and attach

Add Attachment

Delete Attachment

View Attachment

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☒ ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix:

Ms.

* First Name:

Carla

Middle Name:

* Last Name:

Lewis

Suffix:

* Title:

Executive Director

* Telephone Number:

404 584-6499

Fax Number:

* Email:

c.lewis@eco-act.org

* Signature of Authorized Representative:

Yomi Noibi

* Date Signed:

03/25/2022

Manifest for Grant Application # GRANT13580507

Grant Application XML file (total 1):

1. GrantApplication.xml. (size 22591 bytes)

Forms Included in Zip File(total 6):

1. Form ProjectNarrativeAttachments_1_2-V1.2.pdf (size 16021 bytes)

2. Form SF424_3_0-V3.0.pdf (size 24087 bytes)

3. Form SF424A-V1.0.pdf (size 22957 bytes)

4. Form EPA4700_4_3_0-V3.0.pdf (size 22678 bytes)

5. Form OtherNarrativeAttachments_1_2-V1.2.pdf (size 15900 bytes)

6. Form EPA_KeyContacts_2_0-V2.0.pdf (size 37111 bytes)

Attachments Included in Zip File (total 2):

1. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1234-Combined attachments.pdf application/pdf (size 5132590 bytes)

2. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1235-Project workplan final.pdf application/pdf (size 1009157 bytes)

Metro-Atlanta Clean Air Initiative- Project Workplan

Project Title: Metro-Atlanta Clean Air Initiative (MACAI)

Applicant Information: Environmental Community Action (ECO-Action), 250 Georgia Avenue, SE, Suite 309, Atlanta, Georgia 30312. Carla Lewis, Executive Director is the point of contact. Her email address: c.lewis@eco-act.org. Office phone number: (404) 584-6499. DUNS number: 845108968000.

Set-Aside: no set-aside

Description of Applicant Organization: ECO-Action is an Atlanta-based non-profit working to strengthen individual and community strategies to prevent and solve the environmental health problems that affect them. Since its inception in 1989, we have assisted more than 140 community-based groups in 95 of the 159 Georgia counties to organize for changes that safeguard the health of their community.

Project Partners: Department of Environmental Sciences (ENVS) at Emory University, Men's Health Initiative, Mother and Others for Clean Air, the Mayor's Office of the City of South Fulton. Community partners are: Citizens in Support of a Healthy and Safe Environment, Chapel Hill Organization, Peoplestown Revitalization Corporation, Pittsburgh Neighborhood Association, Community Action Unified by Strength and Engagement.

Project Location: Benefits of the project will be realized in 5 Metro Atlanta (Georgia) neighborhoods, specifically 1) the Bruce Street Community, Lithonia, Georgia, zip code 30058, 2) the Chapel Hill neighborhood, Decatur, Georgia, zip code 30034, 3) the Peoplestown neighborhood, Atlanta, Georgia, zip code 30315, 4) the Pittsburgh neighborhood, Atlanta, Georgia, zip code 30315, and 5) sections of the City of South Fulton, Georgia, zip code 30213.

Air Pollutant Scope: The target air pollutants that are the focus of the application are carbon monoxide (CO), nitrogen oxides (NO_x), tropospheric ozone (O₃), particulate matter (PM_{2.5} and PM₁₀) and volatile organic compounds (VOCs).

Budget Summary:

EPA Funding Requested

\$475,947.00

Total Project Cost

\$523,947.00

Project Period: November 1, 2022 to April 30, 2025.

Short Project Description: ECO-Action, working in partnership with Emory University and other nonprofit organizations, will install air monitoring equipment, collect air samples, share sample data and train residents in five communities so they can advance their advocacy efforts to address longstanding air quality problems where they live. Project outputs include deploying 7 air quality monitors (three of which will be furnished using EPA funds) in underserved communities to collect data over a one-year period; making near real-time air quality data available for the communities and other stakeholders; providing 8-10 training sessions to a minimum of 75 people and working with each of 5 communities to develop specific strategies to reduce the effects of air pollutants on their health. The long-term outcome of this project is to reduce human exposure to the identified pollutants. The shorter term objectives are to provide additional data that helps community members identify the type and extent of the problems they are confronting, increase community awareness of the risks associated with air pollutants in their communities, and to increase access to information and tools that will help community members decrease the impacts of these pollutants on the environment and on their health.

Section 1 – Project Summary and Approach

ECO-Action is an environmental justice organization based in Atlanta, GA. Working in partnership with Emory University and other nonprofit organizations detailed later in this workplan, ECO-Action will install air monitoring equipment, collect air samples, share sample data and train residents in five communities so they can advance advocacy efforts to their address longstanding air quality problems.

A. Overall Project

With ECO-Action's assistance, communities will advance their efforts to advocate for the resolution of air pollutant issues using air quality monitors that collect pollutant concentration data. The duration of the Metro-Atlanta Clean Air Initiative (MACAI) will be 30 months. Proposed program activities are:

Task 1: Pollutant Monitoring: We have worked with the leadership of all the communities to identify pollution sources of concern and potential locations for air quality monitors. At the start of the project, we will finalize these locations and install the monitors, along with the weather stations. We plan to sample are: carbon monoxide (CO), nitrogen oxides (NO_x), tropospheric ozone (O₃), particulate matter (PM_{2.5} and PM₁₀) and volatile organic compounds (VOCs). We will collect air quality data at the first three of the selected locations for 12 months. We will then move the monitors to collect air samples at the remaining two locations for 12 months. This strategy will allow us to maximize the number of communities served and spend funds efficiently. Data will be transmitted via the cloud service to Emory University, where it will be processed. Emory University partners will install the monitors and will service them initially. Community members will take over monitor maintenance responsibilities during later phases of the project. After EPA funding ends, monitors purchased through the project will either be: 1) permanently located to sites where we can sustain the data collection effort; or 2) moved and used to measure air quality in different communities as the needs arise. We will further develop the process to deploy monitors to other communities in need during the grant period.

Task 2: Community Training Sessions that Mobilize Communities for Action: ECO-Action and its partners will begin community training sessions at the same time the monitors are installed. Eight to ten monthly training sessions will be held with each community. Session activities will:

- *Define the problem:* Three to four sessions will focus on problem definition. Participants will look at sources of pollution and the impact of pollutants on health. They will learn how to interpret the collected pollution data and will also share personal stories and experiences around the health impacts of pollutants. A discussion of the history, geography, culture and context of the pollution concern will ground participant experiences in a larger context.
- *Create a vision of the future using an equity lens:* During three sessions, participants will review existing laws and policies that are relevant to the pollutants of concern, understand the importance of an equity frame of reference to strategy development, learn about the power of data in achieving accountability and develop a vision of the future that they want.
- *Develop an action plan:* In the remaining session, participants will determine who can help them achieve their vision, assess their assets, identify any gaps in capacity or participation to be able to create an effective community coalition. Using collected data, they will then complete their plan of action. Each community will create a plan for environmental equity that is specific to their situation.

Task 3: Data sharing: To make the data available to community members and the public at large, ECO-Action will be sharing the data collected through a number of channels. Our partner, Emory University, already has created a website for the air quality data collected from public school sites across Metro-Atlanta as shown here: <https://www.airemory.com/map.html>. They will work with us to develop new pages on this site that summarize the five locations that will be monitored through MACAI and display

the data collected from the monitors in a format requested by the community members. ECO-Action will also make links to these pages available on its website. The City of South Fulton committed to link their community's pages to the City's website; we will work with other affected small municipalities to display the information specific to their communities on their websites.

The team will also produce data infographics to share health information and key advocacy topics with community members and the public, and will create an online data toolkit to share program materials. We are also investigating data sharing with Georgia's Environmental Protection Division. Finally, we will also share the data via a phone app. Emory University students are currently developing a phone application with middle school and high school students to raise awareness of the air quality problems. The phone application will not only include data on air quality where the monitors are located but also a mechanism to report fire or other air pollution events to the team. This connection between researchers and residents will accelerate information exchange, allow researchers to share results with the community as soon as possible

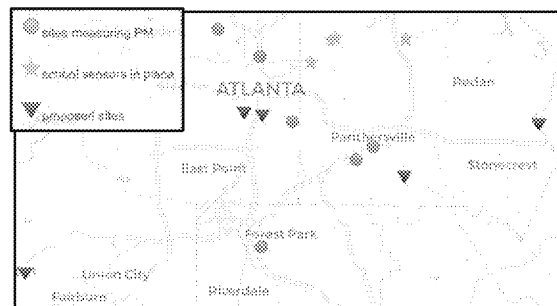
B. Project Significance

Air pollution is an issue that can affect the quality of life of people around the world. According to the most recent Global Burden of Disease study, outdoor air pollution is a global health burden that accounts for roughly 3.3 million deaths annually. This is mainly because of the exposure to atmospheric aerosols, suspended solid and liquid particles in the air (also referred to as particulate matter or PM). Aerosols also contribute to climate change, as they affect the Earth's energy budget directly by absorbing and scattering the incoming solar radiation, and indirectly through altering the reflectance and persistence of clouds. Despite air quality having such a significant impact on both environmental and human well-being, communities have often found it difficult to demonstrate the high levels of pollutants they are experiencing and that their health is being affected. The first problem relates to the lack of fine-scale data at the neighborhood level related to air pollution. There are regulatory monitoring stations that monitor Atlanta's air quality, but these stations cannot capture data for the vast majority of residential neighborhoods. This lack of monitoring stations disproportionately affects low-income underserved communities that are disproportionately impacted by air pollution.

ECO-Action has been working with organizations in five predominantly African-American communities in the Metro-Atlanta area to help them address their air pollution concerns. Resources will be allocated that will allow communities to collect air pollutants data. ECO-Action and community partners will also provide training to make community members aware of the impact of these pollutants on their health and help them develop strategies for advocacy. As a result, the affected communities should see lower exposures to hazardous materials leading to greater overall health and wellness. Community participants will better understand the steps to confront future environmental health concerns. The Metro-Atlanta community at large will benefit from a lower pollutant load, city wide and from the creation of new policies and the enforcement of existing policies for the benefit of all residents.

A brief narrative below describes partnering organization, demographics and the environmental health hazard for each community. The figure to the right locates both these targeted communities and existing Metro-Atlanta air monitoring equipment.

Community 1, Bruce Street Community (Census Tract 130890233032): This is a historic African-American community that is part of Lithonia Georgia in DeKalb County, east of Atlanta. According to EJSCREEN 2.0, the



community is 96% people of color and 52% low income. ECO-Action will work with the community group CHASE (Citizens for a Healthy and Safe Environment) to address and halt the construction of additional large truck stops across from and adjacent to the neighborhood.

Community 2, Chapel Hill Community (Census Tract 130890234252): This community is in the City of Decatur, east of the City of Atlanta. According to EJSCREEN 2.0, the community is 96% people of color and 21% low income. ECO-Action has been working with the community-based organization, the Chapel Hill Organization, that was founded in 1984 in response to smells and contamination from toxic chemical discharges that have been flowing through a storm sewer behind the community. The Seminole Landfill, which contains DeKalb County's solid wastes, is also within a mile of their subdivision. The community has hired consultants to conduct individual canister tests (24hour-duration with 15-minute catch) which have demonstrated chemical concentrations of 40 of EPA's list of 64 targeted air pollutants that exceed allowable limits. They have not, however, been able to afford the installation of air quality monitors for continuous testing. Air quality monitor data will help them advocate to the county's Water and Sewer Authority for the stronger enforcement of their pre-treatment requirements.

Community 3, Peoplestown Community (Census Tract 131210055012): This community is in the heart of Atlanta, just southeast of the intersection of I-75/85 and I-20. According to EJSCREEN 2.0, the community is 82% people of color and 59% low income. ECO-Action will work with leaders of the Peoplestown Revitalization Corporation to increase community awareness of the impact of nitrogen compounds, particulates and ozone on asthma and to advocate for tree planting and barrier installation along the interstate to reduce the toxic load on this overburdened community.

Community 4, Pittsburgh Community (Census Tract 131210057001): This community is also located in the heart of Atlanta, just southwest of the intersection of I-75/85 and I-20. According to EJSCREEN 2.0, the community is 91% people of color and 77% low income. Like Peoplestown, Pittsburgh residents are exposed to pollutants from the interstates. Additionally, a rail yard and several hazardous chemical storage areas make up Pittsburgh's northeast border. Air monitoring data will help the Pittsburgh Neighborhood Association and community residents advocate for the closure of these facilities.

Community 5, City of South Fulton (Census Tract 13121010514): This community is in southern Fulton County, just south of the city of Atlanta and the Hartsfield Jackson International Airport. The city was incorporated in May 2017. According to EJSCREEN 2.0, the affected community is 86% people of color and 18% low income. ECO-Action is working with the community-based organization CAUSE (Community Action Unified by Strength and Engagement), to address diesel truck emissions at nearby warehouses and the air toxic releases from industrial facilities nearby. Pollution has been so significant that former City Council member and team member Naema Gilyard purchased four air quality monitors to measure particulate concentrations. Data will assess air pollution levels and, if high levels are detected, to seek the potential sources and ways to mitigate them

The table below summarizes the named communities, pollutant sources and pollutants to be monitored. Sites that will use previously-purchased PM₁₀ monitors are indicated with an asterisk.

Name of Community	County	Pollutant Sources	Number of monitors	Pollutant to be monitored
Bruce Street, Lithonia	DeKalb County	Truck traffic and truck stops	1*	Particulates (PM _{2.5} , PM ₁₀)
			1	CO, NOx, Ozone, VOCs
Chapel Hill, Decatur	DeKalb County	Industrial sources, odor-causing chemicals in the storm drain, particulates from concrete	1*	Particulates (PM _{2.5} , PM ₁₀)
			1	CO, NOx, Ozone, VOCs

		crushing plant, methane releases from the Seminole landfill		
Peoplestown, Atlanta	Fulton	Pollutants from nearby highways, I-75/85 and I-20	1*	Particulate (PM _{2.5} , PM ₁₀)
			1	CO, NOx, Ozone, VOCs,
Pittsburgh, Atlanta	Fulton	Pollutants from nearby highways, I-75/85 and I-20, nearby railyard and from industrial sites on Fulton Street.	1*	Particulate (PM _{2.5} , PM ₁₀)
			1	CO, NOx, Ozone, VOCs
City of South Fulton	Fulton	Industrial sources and truck traffic	2*	Particulate (PM _{2.5} , PM ₁₀),
			1	CO, NOx, Ozone, VOCs,

Section 2 – Community Involvement

A. Community Partnerships

On this project, ECO-Action will work with community members, educators, and air quality experts. Each of the identified partners will play a major role in collecting, assessing and using the generated data to address local air pollution concerns. Local organizations from each of the communities will work with ECO-Action and other core team organizations, Emory University Department of Environmental Sciences, the nonprofit Mother and Others for Clean Air, trainer Men’s Health Initiative and the Mayor’s Office of the City of South Fulton to deliver the project. ECO-Action will continue to work with these organizations to implement the strategies for action that they develop even after the project ends.

We will work with the following Metro-Atlanta community-based organizations as the points of contact with the communities themselves.

- Citizens for a Healthy and Safe Environment (CHASE), City of Lithonia
- Chapel Hill Organization, Chapel Hill neighborhood, DeKalb County
- Peoplestown Revitalization Corporation, Peoplestown neighborhood in Atlanta
- Pittsburgh Neighborhood Association, Pittsburgh neighborhood in Atlanta
- Community Action Unified by Strength and Engagement(CAUSE), City of South Fulton

Each of these grassroots groups has already taken a lead in identifying their local issues and mobilizing community members to reduce local air pollution issues. These groups bring expertise about community needs, history, context, geography and data resources that have already been collected. They will benefit from the availability of this additional data that will enable them to make a stronger case to support the policy changes or legal enforcement actions that they have already proposed.

The Emory University, Department of Environmental Sciences (ENVS) is comprised of faculty and students dedicated to teaching, research in service of addressing complex and dynamic interactions among people and their environment. Its Air Quality Initiative (Emory AQ) began as an effort to monitor and report air quality around Emory University’s Main Campus. It has expanded to provide air pollution monitoring at 10 elementary, middle and high schools in the Atlanta area. Emory will lead Task 1, Pollutant Monitoring and will also provide community members with additional information about both the impacts of air pollutants on their health and the interpretation of the data collected using the monitors as part of Task 2. As previously noted, they have already created an air quality website which they will expand to incorporate the additional data collected during this project (Task 3). Staff and students will enable communities to access data and make observations using a smartphone app and assist in the production of infographics or other educational materials for the project. Through the

project, ENVs will benefit from access to the additional datasets from communities with air pollution concerns and stronger connection with community-based groups.

Men's Health Initiative (MHI) is an organization established to address overall men's health, capacity building, and community outreach. MHI will serve as the primary community capacity building trainer working to establish and enhance active coalitions that monitor and address the environmental changes in each of the five communities. Specifically, MHI will lead educational sessions that help participants gain context on the history, culture, context, and geography of pollutants in their community and develop a community mobilization plan.

Mothers and Others for Clean Air creates partnerships between scientists, healthcare providers, parents, teachers and youth to facilitate collective learning and action to reduce the impacts of air pollution and climate change throughout the Southeast. Mothers and Others will bring specific educational resources about the impacts of air pollutants on health with a focus on asthma. They will benefit from improved access to environmental justice communities who they have targeted for outreach.

The Mayor's Office of the City of South Fulton has committed to receive and share data gathered from the South Fulton sampling site to provide greater access to the general public across the city.

Finally, ECO-Action will be the lead organization for this project: Additional information on ECO-Action's connection to the affected communities as well as their organizational and programmatic capability is provided in other sections of these documents. ECO-Action will: 1) manage and responsible for accountability of the project as a whole, 2) lead the educational activities: recruit community members for project participation, convene trainers, prepare training materials and provide instruction during community training sessions, 3) assist in air pollution monitoring and data sharing activities, and insure the completion of evaluation activities and prepare the final report.

B. Community Engagement

Community engagement is a key aspect of ECO-Action's approach to work with underserved communities. ECO-Action's work centers on Georgia's rural residents, people with limited formal education, those with few resources, women, and people of color, and their attempts to resolve their own problems. ECO-Action had worked with all five of the identified communities previously and was therefore aware of their air quality concerns. We have included the following elements in the project to design to engage local community members and perform the project more effectively:

- Community members were engaged in the development of this grant proposal. They identified their areas of concern, shared data they had already collected, identified elements they wanted to include in the project, suggested air monitor locations.
- ECO-Action will continue to engage community members through the mobilization phase of the project as we work to finalize monitor locations in proximity to complaints or other concerns. Potential monitor locations include nearby schools, parks and community member's backyards.
- A community member has been identified as the lead project coordinator for each monitoring site. This individual will serve as the local point of contact for the project, engaging additional local stakeholders and serving as lead recruiter for community training sessions and events.
- One community member (at minimum) will witness or (preferably) take part in a monitor installation at each site. Data from the monitors will be collected continuously and posted electronically in real time, at worst, within two weeks of collection.
- Community-identified health needs will determine the specific health impact topics discussed.
- To insure a wide range of community engagement, ECO-Action will host a training session that focuses on helping community members identifying and filling community engagement gaps.

Additional coalition members may include other grassroots groups, neighborhood, school, nonprofit, faith-based and business organizations, and local government staff and leaders.

- Community members will lead the development of the action strategy, which will be guided both by the data and participants' lived experiences.
- We will share data over a wide range of methods and at multiple locations in forms that are useable by stakeholders, local governments and communities and will consider additional data sharing methods suggested by community members

One of our community partners requested that selected community residents receive training on monitor service and maintenance so that they might gain employment and continue to perform these tasks after the grant period ends. We will make this training available to interested participants in all five communities and employ them to provide monitor maintenance in their communities for the final six months of monitor operation. We have already secured a commitment for the City of South Fulton to continue to maintain their four monitors. They have set aside funds to pay community residents for one year after the project ends. We will seek additional sources to employ these trained community members during the course of the project.

C. Community-Based Organization Set-Aside

This section is not applicable. ECO-Action is not applying for a Community Based organization set aside.

Section 3 — Environmental Justice and Underserved Communities

The air monitoring, community education and data sharing activities proposed in MACAI will promote environmental justice in these underserved communities. Specific sources of pollution hazards affecting the communities have been identified in Section 1B of this proposal. For these communities, disproportionate and adverse impacts are caused by:

- Proximity and exposure to existing environmental hazards such as railroad storage facilities, industrial sites, excessive traffic, truck loading areas and industrial waste lines (A)
- Greater susceptibility to adverse effects from environmental hazards due to the age of the average resident (B), the presence of chronic medical conditions such as asthma, diabetes and heart disease(C), lack of health care access (D), the COVID-19 pandemic (E);
- Cumulative effects from multiple stressors (F).

The specific communities affected by each of these impacts is identified in the table below. This table also summarizes demographic and pollution indices referenced in EJSCREEN 2.0.

Factors	Community				
	1 – Bruce St	2- Chapel Hill	3-Peoplestown	4-Pittsburgh	5-S.Fulton
Demographic index (US)	74%	59%	71%	96%	52%
Factors indicating adverse impacts	A, B, C, D, E	A, C, E, F	A, B, C, D, E, F	A, B, C, D, E, F	A, C, E, F
Low life expectancy	88 %tile	80 %tile	99 %tile	96 %tile	76.8%-tile
PM _{2.5} concentration levels	71 %tile	69 %tile	75 %tile	96 %tile	64%-tile
Diesel Particulate	92 %tile	74 %tile	90 %tile	96 %tile	75% tile
Air toxic respiratory high	95 %tile	95 %tile	90 %tile	96 %tile	81%tile

While it has been reported that COVID pandemic affects communities of color more significantly, it is currently impossible to generate accurate statistics to show this. The [COVID Tracking Dashboard](#)

indicates that through March 7, 2021, African-Americans who comprise 31.8% of the Georgia population accounted for 33% of the COVID cases, but the state only reported race and ethnicity data for 66% of its cases. African Americans accounted for 34% of the deaths, but the state reported race and ethnicity data on only 86% of COVID deaths. Information on COVID cases by race and ethnicity is not available at the county or census tract level in Georgia.

ECO-Action has identified the five partner communities that are part of this project from our previous work together on other EJ issues. They identified the sources of pollution, their areas of concern, and shared data they had already collected. ECO-Action will continue to work with these communities throughout the project, as detailed in Section B2, to ensure their meaningful participation in the design, planning, and performance of the project.

The data collected will help communities take both individual actions to improve their own health. We can also share the collected data with regulatory agencies. If we find inappropriately high pollutant levels, we can work with these agencies to identify potential pollutant sources, reduce these pollutants concentrations and take necessary measures that will provide relief to these communities.

Section 4 — Environmental Results—Outcomes, Outputs and Performance Measures

A. Expected Project Outputs and Outcomes

The long term outcomes of this project are to reduce ambient concentrations of identified pollutants to reduce human exposure to them. The specific results (outputs) of the planned activities include:

- Deploy 7 air quality monitors (three of which will be purchased using EPA funds) in five underserved communities to collect data over a one-year period;
- Make near real-time air quality data availability for five communities and other stakeholders;
- Create community-specific air pollution data summaries & make them available to five communities
- Provide 8-10 training sessions to 5 groups each of 15 people. Develop five specific strategies to reduce the impacts of air pollutant on their health.

Short term project outcomes are to:

- Provide additional data that help community members identify the type and extent of the problems they are confronting
- Increase community awareness of the risks associated with air pollutants in their communities.
- Increase access to information and tools that will help community members decrease the risks of these pollutants on the environment and on their health.

B. Performance Measures and Plan

The evaluation effort will be led by an outside evaluator with support from Dr. Yomi Noibi of ECO-Action and will include both process and outcome evaluation activities. The evaluation team will meet monthly to evaluate the progress towards preparing the project deliverables. They will analyze session feedback will be analyzed, and use the results to modify presentations or handouts for later training events. ECO-Action will also share findings on the effectiveness of this project in engaging local community members with community leaders and stakeholders. The evaluator will summarize the collected data in a final report.

Process evaluation questions will determine: 1) Have we been effective in overseeing sub-recipients, and vendors? 2) How effective are our processes for tracking and reporting project progress on expenditures and purchases? 3) Was the training delivered effectively? 4) Which communities were best prepared to take action following the training? 5) Are the targeted number of community members attending the training? and 6) What external factors are affecting program operation?

Outcome evaluation questions are: 1) What new knowledge and skills do participants community participants have? What new behaviors are participants engaging in as a result of the program? 2) What new awareness are community participants demonstrating? 3) What, if any, are unintended or negative consequences? and 4) To what extent was the program successful, in what ways, for whom?

The data collection strategy is summarized below.

Objective 1: Community members will gain access to additional data that helps them identify the type and extent of the problems they are confronting

Indicator of success: 95% of community members will report greater access by March 2025.

Timing: This will be assessed at the final training session.

Instrument: Participants will complete final program evaluation.

Who will be sampled: All 100 community participants will be sampled.

Objective 2: Community members will gain greater awareness of the risks associated with air pollutants in their communities.

Indicator of success: 95% of participants will demonstrate greater awareness by March 2025.

Timing: This will be assessed at the final training session.

Instrument: Participants will complete final program evaluation

Who will be sampled: All 100 community participants will be sampled

Objective 3: Community members will gain increased access to information and tools that will help decrease the risks of these pollutants on the environment and on their health.

Indicator of success: 95% of community members will report greater access by March 2025.

Timing: This will be assessed at the final training session.

Instrument: Participants will complete final program evaluation.

Who will be sampled: All 100 community participants will be sampled.

C. Timeline and Milestones

Milestone 1: Project Start	Nov 1, 2022
Develop training schedule with community,	
Develop training materials, upgrade website	Dec 2022-March 2023
Equipment bidding and selection process	Nov-Dec 2022
Order equipment	Jan 2022
Equipment installation in 3 of 5 communities	Feb 2023
Air monitoring in first 3 communities	Feb 15, 2023-Feb 14, 2024
Community training in first 3 communities	Mar -Dec 2023
Milestone 2: Complete activities at 3 communities	Feb 28, 2024
Disassemble and relocate equipment to remaining communities	Mar 2024
Air monitoring in remaining 2 communities	Apr 1, 2024-Mar 30, 2025
Community training in remaining 2 communities	May 2024-Feb 2025
Milestone 3: Complete activities at remaining communities	Mar 30, 2025
Complete final report	Apr 2025
Milestone 4: Project Complete	Apr 30, 2025

Section 5 – Quality Assurance Statement

This document has been provided as a separate attachment to this workplan.

Section 6 – Programmatic Capability and Past Performance

For over 30 years, ECO-Action has provided leadership for a safe and healthy environment working from the perspective of social and environmental justice. ECO-Action has a small paid staff, augmented by a

strong core of volunteer leaders with technical expertise relevant to the project. Working closely with community partners, ECO-Action has established a diversified and interdisciplinary team that will lead the production of the grant deliverables.

A. Past Performance

Some of the funds we have received in the past three years are listed below. For each project listed we have identified the project title, funder, the amount awarded, award start date and the funding officer:

Incorporating Plans for Green Infrastructure

Into the Design of the Center for Innovation and Arts at Spelman College

Bonneville Environmental Foundation (GA Power Foundation)	\$154,500
Awarded September 1, 2020	Anne Le

General Operating Support

Community Foundation of Greater Atlanta	\$75,000
January 1, 2021	Katrina DeBerry

General Operating Support, #R-1808-275569

The Kresge Foundation	\$100,000
November 1, 2020	Yeou-Rong Jih

Racial Equity Fund, General Operating Support

United Way,	\$85,000 over two years (\$42,500/year)
January 1, 2021	Kim Addie

EPA Environmental Justice Small Grant

March 1, 2022	\$74,850
	Tami Thomas-Burton

B. Reporting Requirements

Progress reports were submitted throughout the projects funded by Bonneville Environmental Foundation and the Community and Foundation of Greater Atlanta, now completed. A first year, interim progress report has been submitted for the project funded by the United Way. Work on the remaining projects is ongoing and ECO-Action continues to document their progress toward achieving outcomes and outputs. Progress reports are submitted to these organizations annually.

C. Staff Expertise

Carla Lewis, ECO-Action's Executive Director will be the Project Director of this effort. She is a political scientist and community advocate with over twenty years of nonprofit leadership and social justice experience. Prior to joining ECO-Action, Ms. Lewis served as Managing Director for a social justice organization committed to building the political power of formerly incarcerated individuals through organizing, leadership development and civic engagement. She also served as the Executive Director for a nonprofit advocated for the homeless through housing, employment, education, and mental health counseling. She has dedicated her life to serving under-represented low-income communities of color to increase their knowledge and strategies to eradicate threats to their wellbeing.

Yomi Noibi, Ph.D. will serve as the Program Engagement and Education Lead for this effort. Dr. Noibi is an environmental scientist and educator with over 25 years of experience in academic, social justice, and community-based organizations. Through his work with ECO-Action since 2005, he has worked with all five of the communities identified in the proposal in activities including the establishment of Proctor Creek Environmental Stewardship Council, community clean ups and tire recycling, and advocating for green infrastructure and integrated stormwater management. He also has served as the Project Manager for EPA CARE Level I Cooperative Agreement. Dr. Noibi has a passion for promoting and advocating for precautionary action to protect human health and the environment.

Dr. Eri Saikawa will serve as the Lead for the Air Monitoring activities. Dr. Saikawa is Associate Professor of Environmental Sciences. She is also jointly appointed in the Department of Environmental Health at the Rollins School of Public Health and has been working with a dozen school teachers in setting up the low-cost air quality sensors at the metro Atlanta region for a little over a year. Dr. Saikawa has also been active in outreach and in community-engaged research.

Section 7 — Budget

The total EPA request for the 30-month project is \$475,947.00. The budget narrative information is contained within the table below. Additional detail on the equipment to be purchased and the subaward to Emory University appears below the table.

Line Item	Budget Request
Personnel	
Carla Lewis, Project Director, \$80,000/year@20% utilization in Years 1, 2 and 3. Ms. Lewis will serve as Project Director responsible for invoicing, meeting contractual requirements and communication with EPA. She will provide overall program management and oversight.	\$40,000.00
Dr. Yomi Noibi, Project Recruitment, Outreach, Engagement Lead: \$50,000/year @ 25% utilization for 18 months of the project (the first 6 months of the project, middle 6 month of the project and last 6 months) and @ 10% utilization for the remaining 12 months of the project. He will help create training materials, work with community partners on recruiting and coordinate with the evaluation consultant.	\$24,000.00
Program Manager: \$45,000/year @50% utilization throughout the 30-month project. The Program Manager will coordinate the work of the internal project team and interface directly with subcontractors, partners and vendors.	\$56,250.00
Total Personnel	\$120,250.00
Fringes	
All personnel @ 25% of salary	\$30,070.00
Equipment	
New air monitoring equipment. See detail below.	\$100,773.00
PM 10 Air monitors (partner- purchased)	\$48,000.00
Total Equipment	\$148,773.00
Travel	
Transportation Assistance: Eight of the program participants will receive a \$20 transportation stipend for each of the 10 meetings. This is \$1600/community	\$8,000.00
ECO-Action Travel Reimbursement: 2 persons -15 round trips per community, @\$0.55/mile (One way trips to Pittsburgh and Peoplestown, 2 miles, to Lithonia, 20 miles, to S. Fulton 25 miles, Decatur, 15 miles. One-way average mileage is 13 miles). This is \$220 per community	\$2,200.00
Total Travel	\$10,200.00
Supplies	
Workshop training materials: We have allocated \$10/session for 10 sessions @ 15 participants per community. This is \$1500/community. Refreshments: We have allocated \$8/session per participant for 10 sessions for 15 participants per community. This is \$1200/community. Marketing materials: \$100/community per meeting for 10 meetings. Meeting space: \$100/community per meeting for 10 meetings.	\$19,500.00
Contractual	
Mother and Others for Clean Air will provide two training sessions to each of the 5 communities.	\$5,000.00
Men's Health Initiative will provide 3 training sessions to each of the 5 communities.	\$7,500.00
Website development: Improvements will be made to ECO-Action's website at lump sum of \$500 per year in Years 2 and 3	\$1,000.00

Line Item	Budget Request
Photography and videography: Of the total 50 sessions, the photographer will attend 10 sessions each for 2 hours @\$50/hour (\$1000) and the videographer will attend 10 sessions each for 2 hours @\$75/hour (\$1500)	\$2,500.00
Evaluation: ECO-Action has allocated \$10,000 for the retention of an evaluation consultant.	\$10,000.00
Total Contractual	\$26,000.00
Other	
Stipends for Community Participants: Community participants will receive a \$50 stipend for each of the 10 sessions they attend. This is \$7500 per community.	\$37,500.00
Stipends for Community Leads: There will be one community lead for each of the five communities. They will receive an \$400 during the year the project is operating in their community for recruitment and other support.	\$2,000.00
Emory University Department of Environmental Sciences (ENVS) staff and interns will lead the air monitoring effort and will support data sharing activities. Additional budget justification information is provided below.	\$105,102.00
Total Other	\$144,602.00
Total Direct costs	\$499,395.00
Indirect Cost: (10% (indirect rate) x (total direct cost – Equipment and Emory Subcontracts))	\$24,552.00
TOTAL	\$523,947.00
Income from Non-EPA Sources: (partner-purchased PM10 Air Monitors)	\$48,000.00
TOTAL EPA REQUEST	\$475,947.00

Equipment: 4 PM2.5 inlets to be installed on partner-purchased PM10 monitors (@\$891 ea), 120' filter tape (@ \$6840), 3 monitors including gas monitor base, sampling system, VOC, NO2, O3 and CO modules, cloud software, 2 solar batteries, carrying case and accessories (@\$27,528 ea), one calibration and service kit (@\$520), one gas inlet filter (@\$215), 3 weather stations (@\$3400 ea), 3 canister activation systems (@\$2000 ea) and shipping (@\$1050). Total \$100,773.00

Other: Emory University Department of Environmental Sciences Budget Justification

Personnel:

Eri Saikawa, PhD, MPA (Air Monitoring Lead)– Funding is requested for 1.0 summer month for the 1st and the 2nd year of the project and 0.5 summer month for the 3rd year of the project with fringe benefits calculated at the Emory applicable rate of 28.4%. Dr. Saikawa will oversee the installation and visualization of the data, working with Dr. Avramov and the student intern and will provide training to the five communities on topics related to air pollution and health. (Total allocation: \$33,698)

Alexander Avramov, PhD, MS (Air Monitoring Co-Lead) – Funding is requested for 1.0 academic month for the 1st and the 2nd year of the project and 0.5 academic month for the 3rd year of the project with fringe benefits calculated at the Emory applicable rate of 28.4%. Dr. Avramov will be in charge of installing the monitors and training the residents, with Dr. Saikawa. (Total Allocation: \$16,483)

Student Intern– Funding is requested for a 9-month 15 hour/week work-study support (\$5,000/ year). The student will work with Dr. Saikawa, Dr. Avramov, and ECO-Action to upload real-time data to the website, to discuss data with community members and to create communication materials. (\$12,500)

Fringe Benefits@ 28.55 of salaries: \$14,302

Materials and Supplies: \$2,000 for 1st and 2nd years, together with \$1,000 is requested for materials needed to purchase for installing and taking out the sensors and for maintenance. This also includes the cost for the data to be available online on our server. (Total allocation: \$5,000)

Indirect Costs: Indirect costs are calculated using the Federally negotiated indirect cost rate for off-campus work of 28.2. (Total allocation: \$23,119)